

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US2004/042376

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61N1/39 A61N1/18 A61N1/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | US 5 105 821 A (REYES ET AL)<br>21 April 1992 (1992-04-21)   | 1,2                   |
| Y          | column 5, lines 4-22; figure 1   | 28                    |
| X          | EP 1 250 944 A (GE MEDICAL SYSTEMS<br>INFORMATION TECHNOLOGIES, INC)<br>23 October 2002 (2002-10-23) | 1,2                   |
| Y          | column 2, lines 10-33; figure 1  | 28                    |
| X          | US 3 865 101 A (SAPER ET AL)<br>11 February 1975 (1975-02-11)<br>pages 6-9; figure 1                 | 1,2                   |
| X          | WO 01/66182 A (CARDIAC SCIENCE, INC)<br>13 September 2001 (2001-09-13)                               | 1,2,22                |
| A          | the whole document   | 3-21,<br>23-31        |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

16 March 2005

Date of mailing of the international search report

24/03/2005

Name and mailing address of the ISA

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Authorized official

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US2004/042376

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| US 5105821                                | A | 21-04-1992          | US 4974600 A               | 04-12-1990          |
|   |   |                     | EP 0409591 A1              | 23-01-1991          |
|   |   |                     | JP 3155831 A               | 03-07-1991          |
| <hr/>                                     |   |                     |                            |                     |
| EP 1250944                                | A | 23-10-2002          | US 2003088275 A1           | 08-05-2003          |
|   |   |                     | EP 1250944 A2              | 23-10-2002          |
|   |   |                     | JP 2002360711 A            | 17-12-2002          |
| <hr/>                                     |   |                     |                            |                     |
| US 3865101                                | A | 11-02-1975          | DE 2510470 A1              | 13-11-1975          |
|   |   |                     | FR 2269326 A1              | 28-11-1975          |
| <hr/>                                     |   |                     |                            |                     |
| WO 0166182                                | A | 13-09-2001          | AU 2258301 A               | 17-09-2001          |
|   |   |                     | EP 1263497 A1              | 11-12-2002          |
|   |   |                     | JP 2003525712 T            | 02-09-2003          |
|   |   |                     | WO 0166182 A1              | 13-09-2001          |
| <hr/>                                     |   |                     |                            |                     |

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 22 MAR 2005

WIPO

PCT

To:

see form PCT/ISA/220

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/US2004/042376

International filing date (day/month/year)  
17.12.2004

Priority date (day/month/year)  
17.12.2003

International Patent Classification (IPC) or both national classification and IPC  
A61N1/39, A61N1/18, A61N1/08

Applicant  
MEDTRONIC PHYSIO-CONTROL CORP.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:
    - ☐ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material:
    - ☐ in written format
    - ☐ in computer readable form
  - c. time of filing/furnishing:
    - ☐ contained in the international application as filed.
    - ☐ filed together with the international application in computer readable form.
    - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2004/042376

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**Box No. V Reasoned statement under Rule 43bis.1(a)(I) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

|                               |             |      |
|-------------------------------|-------------|------|
| Novelty (N)                   | Yes: Claims |      |
|                               | No: Claims  | 1-31 |
| Inventive step (IS)           | Yes: Claims |      |
|                               | No: Claims  | 1-31 |
| Industrial applicability (IA) | Yes: Claims | 1-31 |
|                               | No: Claims  |      |

**2. Citations and explanations**

**see separate sheet**

Re Item V.

- 1 Reference is made to the following documents:

D1 : US 5 105 821 A (REYES ET AL) 21 April 1992 (1992-04-21)

D2 : EP 1 250 944 A (GE MEDICAL SYSTEMS INFORMATION TECHNOLOGIES, INC) 23 October 2002 (2002-10-23)

D3 : US 3 865 101 A (SAPER ET AL) 11 February 1975 (1975-02-11)

D4 : WO 01/66182 A (CARDIAC SCIENCE, INC) 13 September 2001 (2001-09-13)

- 2 Although **claims 1, 22 and 28** have been drafted as separate independent claims, they appear to relate effectively to the same subject-matter and to differ from each other only with regard to the definition of the subject-matter for which protection is sought and in respect of the terminology used for the features of that subject-matter. The aforementioned claims therefore lack conciseness and as such do not meet the requirements of Article 6 PCT. For this reason, only claim 1 will be studied in details.

3 INDEPENDENT CLAIM 1

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of **claim 1 is not new** in the sense of Article 33(2) PCT.

Document D1 discloses (the references in parentheses applying to this document) a **modular external defibrillator** system, comprising:

a **base** (element 14, figure 1) containing a **defibrillator module** to deliver a defibrillation shock to a patient;

a **patient parameter monitoring pod** (monitor 14, figure 1) connectable to a patient via patient lead cables to collect patient data, the patient data including at least one patient vital sign; and

a **power supply sharing link** (link 40, figure 1) between the base and the pod, the pod receiving power from the base via the power sharing link, the pod being operable to collect patient data without receiving power from the base (column 5, line 4-34).

4 DEPENDENT CLAIMS 2-21

**Dependent claims 2-21** contain either features known per se from the prior art or being simple constructional features. Thus they would only satisfy Art. 33(2),(3) PCT when referring to a patentable independent claim.

- 5 In order to facilitate the examination of the conformity of the amended application with the requirements of Art. 34(2)(b) PCT, the applicant is requested to **clearly identify the amendments carried out**, no matter whether they concern amendments by addition, replacement or deletion, and to indicate the passages of the application as filed on which these amendments are based (see also Rule 66.8(a) PCT).

If the applicant regards it as appropriate these indications could be submitted in handwritten form on a copy of the relevant parts of the application as filed.